

Message

From: Dudar, Helen [DEP] [Helen.Dudar@dep.nj.gov]
Sent: 7/21/2021 6:39:18 PM
To: Kavvadias, Eleni [kavvadias.eleni@epa.gov]; Shepherd, Shana [DEP] [Shana.Shepherd@dep.nj.gov]
Subject: CWKs RES - Evergreen Spreadsheets and Map for the July Update Call (7/21/21)
Attachments: Evergreen Results Mailed 071521.xlsx; Evergreen PWS Info_071521.xlsx; Evergreen CWKS RES Contacts_071521.xlsx; Evergreen Treatment Status 071521.xlsx; EVERGREEN_CWKS_RES_Results_Map_071521.pdf

My notes are provided below, in magenta.

From: Davis, Katherine L <katherine.l.davis@aecom.com>
Sent: Tuesday, July 20, 2021 2:51 PM
To: Kavvadias, Eleni <kavvadias.eleni@epa.gov>; Seppi, Pat <Seppi.Pat@epa.gov>; Dudar, Helen [DEP] <Helen.Dudar@dep.nj.gov>; Shepherd, Shana [DEP] <Shana.Shepherd@dep.nj.gov>
Cc: 'Andrew.S.Hartten@chemours.com' <Andrew.S.Hartten@chemours.com>; Norcross, Scott <scott.norcross@aecom.com>
Subject: [EXTERNAL] CWKs RES - Evergreen Spreadsheets and Map for the July Update Call (7/21/21)

Good Afternoon All,

Attendees: Kathy Davis, AECOM
Andrew Hartten, Chemours
Andy Parks, USEPA
Helen Dudar, NJDEP

Attached are the updated spreadsheets and map (as of July 15, 2021). Below are the summary bullets for each spreadsheet and other agenda topics.

Evergreen CWKS RES Contacts:

- Rows 2 – 85 Green – contact complete for 2021; see “Comments” and “Path Forward” columns for details; tracked in Terradex if vacant*/no house, PWSs in the Evergreen PWS Info spreadsheet
 - * vacant is defined as a house with no residents. Chemours has determined that a reliable confirmation of vacancy occurs via the USPO, the mail carrier returns the residential well sampling request letter marked as “undeliverable, vacant property”.
- Rows 86 – 326 Yellow – in progress
 - 229 samples with results
 - 189 with no exceedances
 - 40 with exceedances
 - 0 with no final results yet
 - 3 scheduled for sampling
 - 8 to be scheduled
- Rows 327 – 338 Pink – non-response to AECOM efforts to schedule or other non-response issues, were referred to EPA/NJDEP for follow up
- Rows 339 – 800 White; no response to date, well address vacant and no owner response or mailings still in progress; also being tracked in Terradex for ownership changes
 - Rows 339 – 692 - 2021 mailing(s) complete; see “Status or Water Source” column for details
 - Rows 693 – 800 – mailings still in progress (see red text)
- Note: SOPs currently say we will drive by all vacants annually. For vacants, the annual drive-by will be replaced by the annual mailing of a letter requesting permission to sample. The SOP will be revised to reflect this change. We have decided to switch this process to sending an annual letter to all vacant properties and see

which still come back as vacant. See comment provided above concerning the letter carriers' role in this process. It should be noted that Terradex will potentially also update the vacancy status. 2021 Vacants Annual Letter will be mailed first weeks of August pending vacation schedules.

Evergreen PWS Info:

- From greens in Evergreen CWKs RES Contacts spreadsheet and other sources, blue at the bottom are new

Evergreen Results Mailed and Updated Map attached – Green stars indicate location sampled with no final results yet. These include results for wells sampled or resampled mostly since EA8 was kicked off.

- Note EA9 has started so the map will be cleared of all post boxes and only new results finalized after July 15 will be posted moving forward. Colors for symbols for location resampled will reflect the most recent data. All results can be found in the Evergreen Results Mailed spreadsheet.

Evergreen Treatment Status:

- Rows 2 – 15 – Yellow - In progress but not yet scheduled, some need another call by Shannon (all with issues will be made Pink and have been or will be shared with EPA/NJDEP by the next update meeting)
- Row 16 – 17 – Pink – referred to EPA/NJDEP for follow up Kathy again requests the EPA's/NJDEP's involvement. Kathy's request for EPA's/NJDEP's involvement is present within e-mails, dates ?.
- Rows 18 – 227 – GACs already installed (210, includes the NJDEP-installed systems for which Chemours is performing OM&M)
- Rows 228 – 234 – N/As (mostly new wells installed with no exceedances) (7; see comments)
- Rows 235 – 243 – PWS Connections (10, see comments)
- Rows 244 – 252 – Bottled Water (9, see comments)
- Rows 253 – 258 – Declines – 2021 Annual contact made (6, see comments)
- Rows 259 – 263 – Treatment Incomplete – 2021 Annual Contact made (5, see comments)

2Q21 OM&M Update

- 192 GAC systems included
- 3 Non-response in 2Q21 Kathy again requests the EPA's/NJDEP's involvement. Kathy's request for EPA's/NJDEP's involvement is present within e-mails, dates ?.
- 4 not sampled at the request of the owner (construction, house being sold, vacation)
- OM&M complete, and data are all final, report to be submitted 7/29/21
- REG LOC ID version and Table 1 and Figure 1 will be posted to the Chambers Works website shortly afterwards
Soon Kathy will be taking over the website updating duties from Robin.

Off-site Monitoring Well Update

- POA well cluster – results submitted to VOA (did Scott N forward?) Previously, Scott had not submitted the PFAS results for the well cluster installed in the Auburn Community in Oldmans Twp, the inclusion of them in this e-mail is the 1st time the NJDEP saw the results.

FS means field sample.

All off-site monitoring wells will be resampled the 1st week of August 2021, the sampling will occur directly after the NJPDES-DGW sampling event. Chemours is pleased the 1st sampling event for the well cluster did not indicate exceedances.

When asked when will the delineation via monitoring wells occur, Andrew asked for NJDEP's input for locations (I said "same comments as before", which have been provided numerous times in the past). Andrew also stated "We are still in the discussion phase with Chemours leadership". Andrew requested Kathy put off-site delineation on the agenda for Chemours next Tuesday's leadership meeting as obtaining access agreements will take a while.

		Location Type		GW	GW	GW
		Sample Purpose		FS	FS	FS
		Well Screen Depth		12-22 ft bgs	30-40 ft bgs	72-82 ft bgs
Parameter Name - PFAS Compound	Abreviation	Filtered	Report Units	Report Result	Report Result	Report Result
11CI-PF3OUdS	11CL-PF3OUdS	N	UG/L	<0.0018	<0.0018	<0.0017 UJ
9CI-PF3ONS	9CL-PF3ONS	N	UG/L	<0.0018	<0.0018	<0.0017
DONA	DONA	N	UG/L	<0.0018	<0.0018	<0.0017
Hfpo Dimer Acid	HFPO-DA	N	UG/L	<0.0018	<0.0018	<0.0017
N-ethyl perfluorooctane sulfonamidoacetic acid	NEtFOSAA	N	UG/L	<0.0018	<0.0018	<0.0017 UJ
N-methyl perfluorooctane sulfonamidoacetic acid	NMeFOSAA	N	UG/L	<0.0018	<0.0018	<0.0017
Perfluorobutane Sulfonic Acid	PFBS	N	UG/L	<0.0018	0.0095	0.0019
Perfluorodecanoic Acid	PFDA	N	UG/L	<0.0018	<0.0018	<0.0017
Perfluorododecanoic Acid	PFDaA	N	UG/L	<0.0018	<0.0018	<0.0017 UJ
Perfluoroheptanoic Acid	PFHpA	N	UG/L	0.0022	0.0029	<0.0017
Perfluorohexane Sulfonic Acid	PFHxS	N	UG/L	<0.0018	<0.0018	<0.0017
Perfluorohexanoic Acid	PFHxA	N	UG/L	0.0036	0.0097	0.0026
Perfluorononanoic Acid	PFNA	N	UG/L	0.0029	0.0029	<0.0017
Perfluorotetradecanoic Acid	PFTtA	N	UG/L	<0.0018	<0.0018	<0.0017 UJ
Perfluorotridecanoic Acid	PFTtDA	N	UG/L	<0.0018	<0.0018	<0.0017 UJ
Perfluoroundecanoic Acid	PFUnA	N	UG/L	<0.0018	<0.0018	<0.0017
Perfluotoctanoic acid	PFOA	N	UG/L	0.0083	0.0073	0.0043
Perfluorooctanoic sulfonic acid	PFOS	N	UG/L	<0.0018	0.0044	<0.0017

- Year 3 Off-site Monitoring well PFAS Sampling to be completed first week of August (excluding the VOC well cluster)

CWKs SOPs REV – in progress

Other Items –

- Thanks for the new NJDEP data – updating dot maps and concentration vs distance maps For the new NJDEP Logan Twp data, Kathy pointed out that the x and y coordinates for the well locations were switched. I sent an e-mail to the NJDEP sampling contractor letting her the errors exist.

Kathy also mentioned that one of the former NJDEP residential well GAC systems switch to Chemours (could not remember address) is experiencing black slime fowling and the well owners says the black slime is PFOA. The black slime is most likely the result of too much naturally occurring iron or manganese, time to call in the Health Department to convince her to either have a deeper well drilled or shock the well.

- The next quarterly meeting is scheduled for August 25, Andrew wants to defer the meeting until after Labor Day. Be on the lookout for a new meeting date request.

Thanks.

Kathy

Katherine L. Davis, PhD

Pronouns: *she, her, hers*

PFAS Technical Lead, Principal Geologist

D +1-302-318-2597 new

M +1-302-530-2687

katherine.l.davis@aecom.com

AECOM

4051 Ogletown-Stanton Rd

Suite 300

Newark, DE 19713, United States

T +1-302-781-5900

aecom.com

Delivering a better world

[LinkedIn](#) | [Twitter](#) | [Facebook](#) | [Instagram](#)